

Comparisons of Job Characteristics

Focus Occupation: [Motorcycle Mechanics \(49-3052\)](#)

Associated Occupation: [Automotive Service Technicians and Mechanics \(49-3023\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: [Motorcycle Mechanics \(49-3052\)](#)

Associated Occupation: [Automotive Service Technicians and Mechanics \(49-3023\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	20.8	19.3	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	15.1	13.8	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	12.9	8.6	<<	Extensive education and/or training may be required
Physics	4.3	8.6	6.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: [Motorcycle Mechanics \(49-3052\)](#)

Associated Occupation: [Automotive Service Technicians and Mechanics \(49-3023\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	12.7	13.3	0	Current skill level may be sufficient
Equipment Maintenance	3.5	11.6	8.7	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	11.4	11.2	0	Current skill level may be sufficient
Operation and Control	5.4	11.1	7.7	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.9	8.0	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.4	8.7	<	A higher skill level may be required
Equipment Selection	3.3	9.4	6.0	<<	Extensive development of skills in this area may be required

Installation	1.7	6.4	3.0	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Motorcycle Mechanics (49-3052) Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Extent Flexibility	4.8	14.4	8.3	<<	Extensive improvement in abilities may be required
Control Precision	6.6	13.5	10.8	<	Some improvement in abilities may be required
Finger Dexterity	7.6	12.6	10.8	<	Some improvement in abilities may be required
Manual Dexterity	6.5	12.4	12.3	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	12.2	11.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.0	10.3	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	11.8	12.8	0	Current ability level may be sufficient
Auditory Attention	5.9	10.6	10.0	0	Current ability level may be sufficient
Sound Localization	2.2	5.9	3.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 99
Focus Occupation: Motorcycle Mechanics (49-3052) Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Align or adjust clearances of mechanical components or parts	72	
Align or adjust clearances of vehicle body parts or components	78	
Assemble, dismantle, or reassemble equipment or machinery	70	
Conduct tests to locate mechanical system malfunction	71	
Determine installation, service, or repair needed	58	
Diagnose malfunctioning vehicle systems	85	
Diagnose mechanical problems in machinery or equipment	65	
Estimate time or cost for installation, repair, or construction projects	54	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Follow safe waste disposal procedures	50	

Follow vehicle repair procedures	85
Identify properties of metals for repair or fabrication activities	71
Inspect machinery or equipment to determine adjustments or repairs needed	42
Maintain repair records	65
Maintain welding machines or equipment	70
Move or fit heavy objects	8
Obtain information from clients, customers, or patients	40
Operate vehicle engine electrical system test equipment	84
Overhaul vehicle major operating units, such as engines or transmissions	84
Perform safety inspections in industrial, manufacturing or repair setting	32
Read schematics	34
Read technical drawings	7
Read vehicle manufacturer's specifications	76
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Repair or replace malfunctioning or worn mechanical components	62
Repair vehicle body parts	92
Service vehicle with water, fuel, or oil	73
Set up and operate variety of machine tools	62
Solder vehicle components	92
Test mechanical products or equipment	56
Test operate vehicles before or after repair	85
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use auto or vehicular body repair equipment	89
Use combination welding procedures	68
Use electrical or electronic test devices or equipment	40
Use electronic calibration devices	68
Use engine diagnostic equipment	82
Use hand or power tools	2
Use knowledge of metric system	39
Use knowledge of welding filler rod types	75
Use machine tools in installation, maintenance, or repair	72
Use oral or written communication techniques	1
Use pneumatic tools	66
Use precision measuring devices in mechanical repair work	61
Use voltmeter, ammeter, or ohmmeter	52
Weld together metal parts, components, or structures	54
Write vehicle damage repair estimates	89

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

**Similarity of Focus
Occupation to Associated
Occupation: n/a**

Focus Occupation: Motorcycle Mechanics (49-3052)

Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.